



California Board of Registered Nursing

2005-2006 Annual School Report

Data Summary and Historical Trend Analysis

A Presentation of
Pre-Licensure Nursing Education Programs in California

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PREFACE

Nursing Education Survey Background

Development of the 2005-2006 Board of Registered Nursing (BRN) School Survey was the work of the Board's Education Advisory Committee (EAC), which consists of representatives of associate (ADN) and baccalaureate (BSN) nursing education programs, the California Community College Chancellor's Office, the California State University Chancellor's Office and the California Institute of Nursing and Health Care. A list of the EAC members is included in the Appendices. The University of California, San Francisco was commissioned by the BRN to develop the online survey instrument, administer the survey, and report data collected from the survey.

Funding for this project was provided by the California Board of Registered Nursing.

Organization of Report

The survey collects data about nursing programs and their students and faculty from August 1 through July 31. Annual data presented in this report represent August 1, 2005 through July 31, 2006. Demographic information and census data were requested for October 15, 2006.

Data from pre- and post-licensure nursing education programs are presented in separate reports and are available on the BRN website. Data are presented in aggregate form and describe overall trends in the areas and over the times specified and, therefore, may not be applicable to individual nursing education programs.

Statistics for enrollments and completions represent two separate student populations. Therefore, it is not possible to directly compare enrollment and completion data.

Availability of Data

The BRN Annual School Survey was designed to meet the data needs of the BRN as well as other interested organizations and agencies. After the publication of this report, a database with aggregate data derived from the 2005-2006 BRN School Survey is available for public access on the BRN website. Parties interested in accessing data not available on the website should contact the BRN.

The BRN acknowledges that survey respondents may not have had ready access to some of the data that were being requested. To address this issue, a member of the EAC developed a computer program for tracking most of the required data. The computer tracking program was distributed to nursing programs in the fall of 2006. Nursing programs that do not have this program may contact the BRN.

Value of the Survey

This survey has been developed to support nursing, nursing education and workforce planning in California. The Board of Registered Nursing believes that the results of this survey will provide data-driven evidence to influence policy at the local, state, federal and institutional levels.

The BRN extends appreciation to the Education Advisory Committee and all survey respondents. Your participation has been vital to the success of this project.

Survey Participation

All California nursing education programs were invited to participate in the survey. All pre-licensure programs that admitted students in 2005-2006 responded to the survey. A list of nursing programs that responded to the survey is provided in the Appendix.

Program Type	# Programs Responded	Total # Programs	Response Rate
ADN	73	73	100.0%
LVN to ADN	4	4	100.0%
BSN	26	26	100.0%
ELM	14	14	100.0%
Sum of Pre-Licensure Programs	117	117	100.0%

DATA SUMMARY AND HISTORICAL TREND ANALYSES

This analysis presents pre-licensure program data from the 2005-2006 BRN School Survey in comparison with data from previous years of the survey. Data items addressed include the number of nursing programs, enrollments, completions, retention rates and student and faculty census data.

Trends in Pre-Licensure Nursing Programs

Number of Nursing Programs

From 2004-2005 to 2005-2006, there was a 7.3% (n=8) increase in the number of California nursing programs that lead to RN licensure. Of the eight new programs, one is an ADN program, two are BSN programs, and five are ELM programs. The majority (81.2%) of all pre-licensure nursing programs are public.

Number of Nursing Programs

	<i>Academic Year</i>					
	<i>2000-2001</i>	<i>2001-2002</i>	<i>2002-2003</i>	<i>2003-2004</i>	<i>2004-2005</i>	<i>2005-2006</i>
Total # Nursing Programs	97	100	101	104	109	117
<i>ADN Programs</i>	71	72	73	73	76	77
<i>BSN Programs</i>	22	23	23	23	24	26
<i>ELM Programs</i>	4	5	5	8	9	14
<i>Public Programs</i>	83	85	86	87	90	95
<i>Private Programs</i>	14	15	15	17	19	22

Admission Spaces and New Student Enrollments

Admission spaces available for new student enrollments increased by 16.6% (n=1497), from 9,026 spaces in 2004-2005 to 10,523 in 2005-2006. These spaces were filled with a total of 10,989 students, increasing new student enrollment by 23.1% (n=2063) from 2004-2005.

Availability and Utilization of Admission Spaces

	<i>Academic Year</i>					
	<i>2000-2001</i>	<i>2001-2002</i>	<i>2002-2003</i>	<i>2003-2004</i>	<i>2004-2005</i>	<i>2005-2006</i>
Spaces Available	6610	6719	7601	7797	9026	10523
Spaces Filled	6128	6422	7457	7825	8926	10989
% Spaces Filled	92.7%	95.6%	98.1%	100.4%	98.9%	104.4%

Despite the increase in available admission spaces, nursing programs receive more applications requesting entrance into their programs than can be accommodated. In 2005-2006, 61.3% (n=17421) of qualified applications to California nursing education programs were not accepted for admission.

Student Admission Applications*

	<i>Academic Year</i>					
	<i>2000-2001</i>	<i>2001-2002</i>	<i>2002-2003</i>	<i>2003-2004</i>	<i>2004-2005</i>	<i>2005-2006</i>
Qualified Applications	10021	10362	13926	17887	20405	28410
<i>Accepted</i>	6128	6422	7457	7825	8926	10989
<i>Not Accepted</i>	3893	3940	6469	10062	11479	17421
% Qualified Applications <i>Not Accepted</i>	38.8%	38.0%	46.5%	56.3%	56.3%	61.3%

*Since these data represent applications rather than individuals, the increase in qualified applications may not represent an equal growth in the number of individuals applying to nursing school.

Student Completions

The number of students who completed a nursing program in California increased by 12.7% (n=846), from 6,677 in 2004-2005 to 7,523 in 2005-2006. The percentage of student completions by program type is 71.1% ADN, 24.7% BSN and 4.2% ELM.

Student Completions

	<i>Academic Year</i>					
	<i>2000-2001</i>	<i>2001-2002</i>	<i>2002-2003</i>	<i>2003-2004</i>	<i>2004-2005</i>	<i>2005-2006</i>
Total # Student Completions	5178	5346	5623	6158	6677	7523
<i>ADN Programs</i>	3799	3826	4027	4488	4769	5346
<i>BSN Programs</i>	1277	1394	1412	1479	1664	1861
<i>ELM Programs</i>	102	126	184	191	244	316

Retention Rate

Of the 8,140 students scheduled to complete a nursing program in the 2005-2006 academic year, 74.1% (n=6029) completed the program on-time, 10.4% (n=848) are still enrolled in the program, and 15.5% (n=1263) dropped out or were disqualified from the program. The retention rate increased from 66.2% (n=5610) in 2000-2001 to 74.1% (n=6029) in 2005-2006.

Student Cohort Completion and Retention Data

	<i>Academic Year</i>					
	<i>2000-2001</i>	<i>2001-2002</i>	<i>2002-2003</i>	<i>2003-2004</i>	<i>2004-2005</i>	<i>2005-2006</i>
Enrollment	8478	6806	8208	8151	8507	8140
<i>Completed On-time</i>	5610	4553	5621	5831	6055	6029
<i>Still Enrolled</i>	1372	1184	1314	1082	710	848
<i>Dropped Out</i>	1496	1069	1273	1238	1742	1263
Retention Rate*	66.2%	66.9%	68.5%	71.5%	71.2%	74.1%
Attrition Rate	17.6%	15.7%	15.5%	15.2%	20.5%	15.5%
% Still Enrolled	16.2%	17.4%	16.0%	13.3%	8.3%	10.4%

*Retention rate = (students who completed the program on-time) / (enrollment)

There has been fluctuation in the retention and attrition rates over the six-year period documented in the above table. There were changes to the survey between 2003-2004 and 2004-2005, and between 2004-2005 and 2005-2006 that may have affected the comparability of these data over time.

Student Census Data

The total number of students enrolled in California nursing programs increased by 12.5% (n=2266), from 18,061 on October 15, 2005, to 20,327 a year later.

The reported number of pre-nursing students declined from 28,478 in 2005 to 20,980 in 2006. This decrease may be due to fewer programs reporting data than to an actual decrease in the number of pre-nursing students. In 2005, 46 nursing programs reported the total number of pre-nursing students. Only 35 programs reported these data in 2006.

Student Census Data

Program Track	Academic Year					
	<i>2000-2001</i>	<i>2001-2002</i>	<i>2002-2003</i>	<i>2003-2004</i>	<i>2004-2005</i>	<i>2005-2006</i>
Generic	10999	11671	13043	14337		
LVN	1568	1654	2072	2003		
30 Unit	94	76	79	72		
Total Nursing Students	12661	13401	15194	16412	18061	20327
Total Pre-Nursing Students**					28478	20980

*Blank cells indicated that the applicable information was not requested in the given year.

**Changes in the survey may have accounted for the fluctuation in the number of pre-nursing students reported.

Faculty Census Data

The total number of nursing faculty increased by 11.4% (n=278) over the last year. On October 15, 2006, there were 2,710 total nursing faculty. Of these faculty, 40.3% (n=1090) were full-time and 59.7% (n=1618) were part-time.

Although there was an increase in the total number of nursing faculty in 2006, that increase has not kept pace with the need for faculty. On October 15, 2006, there were 192 vacant faculty positions. These vacancies represent a 6.6% faculty vacancy rate, the highest vacancy rate reported in the past five years.

Faculty Census Data¹

	Academic Year					
	<i>2000-2001</i>	<i>2001-2002</i>	<i>2002-2003</i>	<i>2003-2004</i>	<i>2004-2005²</i>	<i>2005-2006*</i>
Total Faculty	1840	1957	2031	2207	2432	2710
Full-time	1047	1090	1087	1061	930	1090
Part-time	793	867	944	1146	959	1618
Vacancy Rate**		4.1%	5.9%	3.7%	6.0%	6.6%
Vacancies		83	128	84	154	192

*In 2004-2005 and 2005-2006, the sum of full- and part-time faculty did not equal the total faculty reported.

**Vacancy rate = number of vacancies/(total faculty + number of vacancies)

1- Data were reported by school, *not* by degree program.

2- Faculty vacancies were estimated based on the vacant FTEs reported.

Summary

California nursing programs have expanded greatly over the past six years. The number of programs has grown by 20, to 117 programs in 2005-2006, and the number of admission spaces has expanded 59.2% (n=3913). Although admission spaces to nursing programs continue to increase, they have not kept pace with the number of qualified applications to those programs.

Nursing program expansions have led to a growing number of RN graduates. Between 2000-2001 and 2005-2006, graduations increased 45.3% (n=2345). Graduations will continue to rise as larger cohorts of students complete RN programs. Nursing program retention rates have shown an increase over the six-year period, ranging from 66.2% in 2000-2001 to 74.1% in 2005-2006.

Expansion in RN education has required nursing programs to hire more faculty. As a result, California RN programs reported that they had 192 faculty vacancies in 2005-2006, representing 6.6 percent of faculty positions. Without more faculty, RN programs will not be able to continue their expansion.

APPENDICES

APPENDIX A – List of Survey Respondents by Degree Program

ADN Programs (73)

American River College	Los Angeles Southwest College
Antelope Valley College	Los Angeles Valley College
Bakersfield College	Los Medanos College
Butte Community College	Maric College
Cabrillo College	Mendocino College
Cerritos College	Merced College
Chabot College	Merritt College
Chaffey College	Modesto Junior College
City College of San Francisco	Monterey Peninsula College
College of Marin	Moorpark College
College of San Mateo	Mount San Antonio College
College of the Canyons	Mount San Jacinto College
College of the Desert	Mount St. Mary's College
College of the Redwoods	Napa Valley College
College of the Sequoias	National University
Contra Costa College	Ohlone College
Copper Mountain Community College	Pacific Union College
Cuesta College	Palomar College
Cypress College	Pasadena City College
De Anza College	Rio Hondo College
East Los Angeles College	Riverside Community College
El Camino College - Compton Education Center	Sacramento City College
El Camino Community College	Saddleback College
Evergreen Valley College	San Bernardino Valley College
Fresno City College	San Diego City College
Glendale Community College	San Joaquin Delta College
Golden West College	Santa Ana College
Grossmont College	Santa Barbara City College
Hartnell Community College	Santa Monica College
Imperial Community College District	Santa Rosa Junior College
Long Beach City College	Shasta College
Los Angeles County College of Nursing & Allied Health	Sierra College
Los Angeles Trade-Tech College	Solano Community College
Los Angeles City College	Southwestern College
Los Angeles Harbor College	Ventura College
Los Angeles Pierce College	Victor Valley College
	Yuba College

APPENDIX A – List of Survey Respondents by Degree Program

LVN to ADN Programs (4)

Allan Hancock College
Gavilan College
West Coast University
Western Career College

BSN Programs (26)

Azusa Pacific University	Dominican University of California
Biola University	Humboldt State University
California Baptist University	Loma Linda University
CSU Bakersfield	Mount Saint Mary's College
CSU Chico	National University
CSU East Bay	Point Loma Nazarene University
CSU Fresno	Samuel Merritt College
CSU Long Beach	San Diego State University
CSU Los Angeles	San Francisco State University
CSU Sacramento	San Jose State University
CSU San Bernardino	Sonoma State University
CSU San Marcos	University of California Los Angeles
CSU Stanislaus	University of San Francisco

ELM Programs (14)

Azusa Pacific University	San Francisco State University
CSU Bakersfield	Sonoma State University
CSU Fresno	University of California Los Angeles
CSU Long Beach	University of California San Francisco
CSU Los Angeles	University of San Diego
CSU Sacramento	University of San Francisco
Samuel Merritt College	Western University of Health Sciences

APPENDIX B – BRN Education Advisory Committee Members

BRN Education Advisory Committee Members

Members

Sherry Fox, Chair
Sue Albert
Jim Comins
Margaret Craig
Becky Fleeger
Allison Jones
Deloras Jones
Diane Welch
Barbara Whitney

Organization

California State University Chico
College of the Canyons
California Community College Chancellor's Office
Napa Valley College
Biola University
California State University Chancellor's Office
California Institute of Nursing and Health Care
Retired ADN Program Director
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